

ABSTRACT

To provide a multibeam antenna reception device capable of improving the reception quality while suppressing an increase in the amount of computation. The multibeam antenna reception device includes a path detection control section (108) for controlling the path detection range at the current time for M receive beam path detection sections (106₁ to 106_M) based on pairs of receive beam numbers and path delays detected prior to the current time and information on user signal reception quality in the pairs of the receive beam numbers and the path delays output from the M receive beam path detection sections (106₁ to 106_M). When path detection is performed with respect to each user in the M receive beam path detection sections (106₁ to 106_M), pairs of receive beam numbers and path delays and information on user signal reception quality in the pairs of the receive beam numbers and the path delays are detected according to the path detection range controlled by the path detection control section (108).